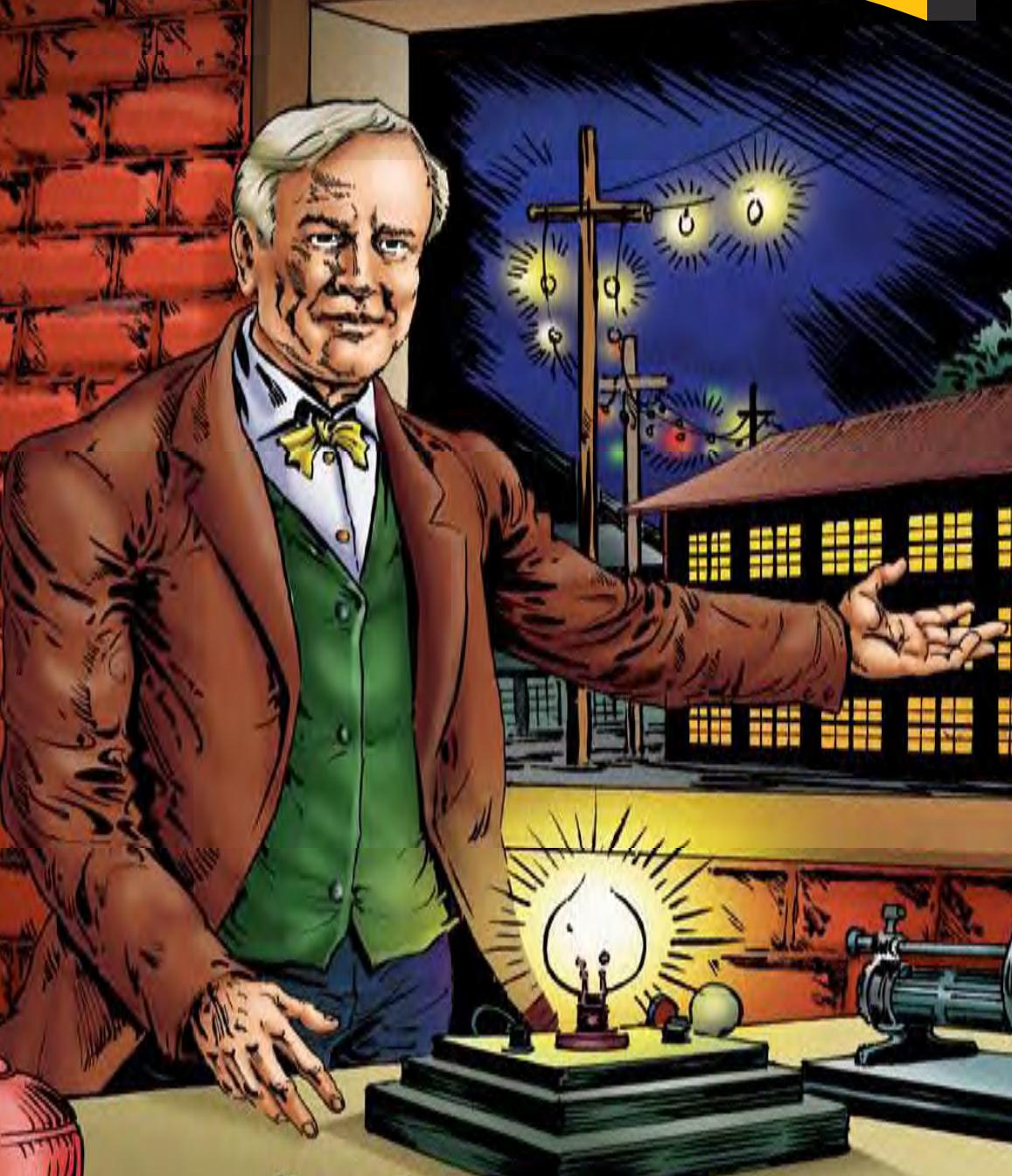
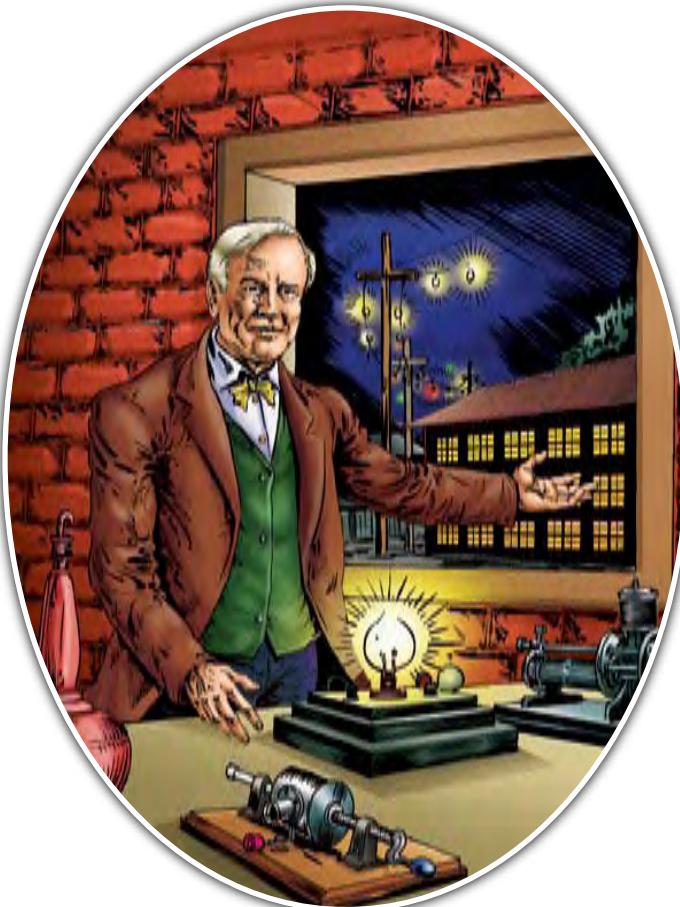


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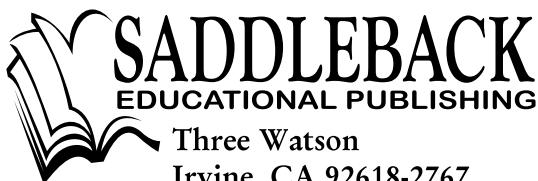
THOMAS EDISON



Thomas Edison



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They called him the Wizard of Menlo Park. He turned darkness into light; made a machine talk; brought pictures to life—through the magic of electricity and hard work.



Tom Edison's family didn't do things like everybody else. In 1837 his father revolted against the Canadian government.

I've been declared a traitor. The King's soldiers are after me!

Oh, Sam! What will you do?

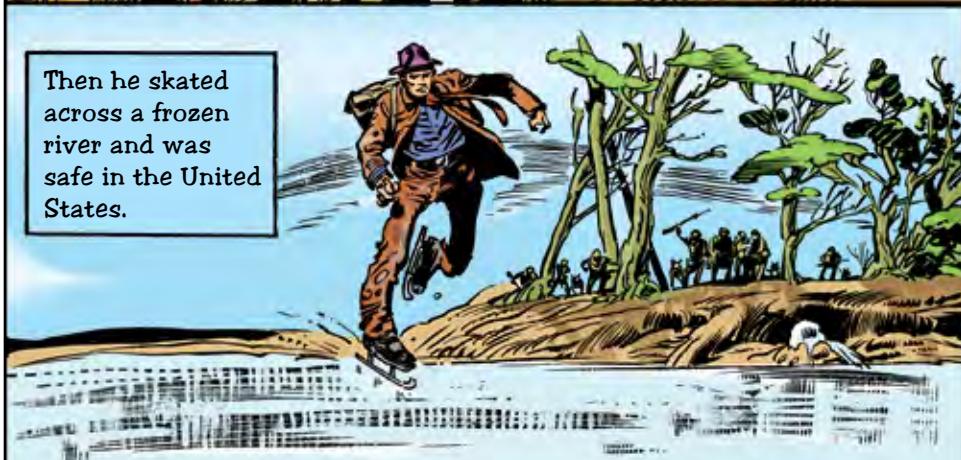


Run for the border. I can outrun anybody!

He ran for two days, chased by soldiers and dogs.



Then he skated across a frozen river and was safe in the United States.





But he didn't. One morning, three months later, he rushed home.

I'm never going back to that school! I heard the teacher say I'm addle-headed and can't learn anything.

Why did he say such a thing?

I think it's because I ask why and want to know instead of just memorizing.



Tom's mother went to see the teacher.

I've been a teacher. I know Tom is a bright boy. If you can't teach him, I don't think much of your methods.

But Mrs. Edison ...



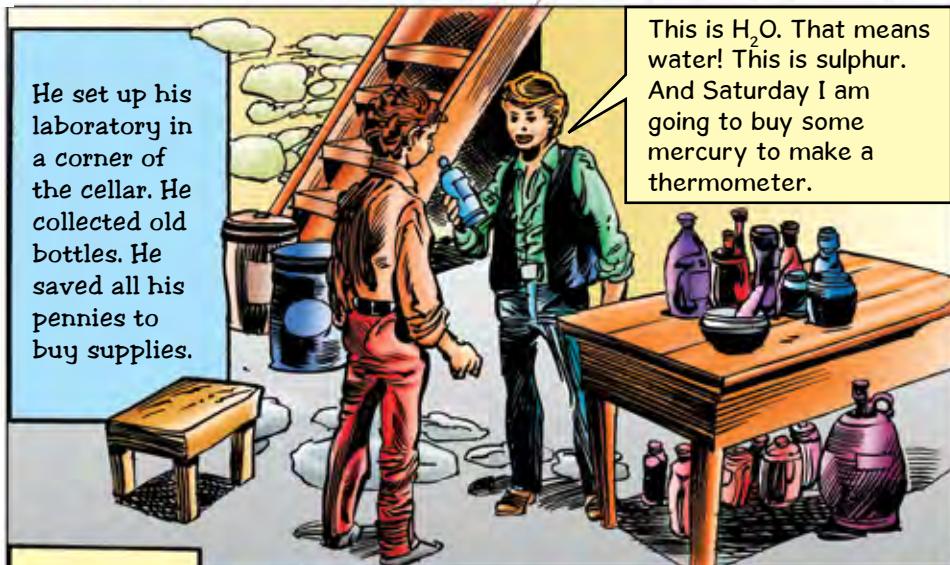
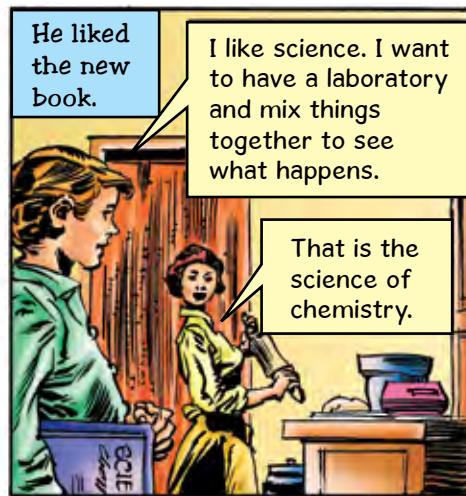
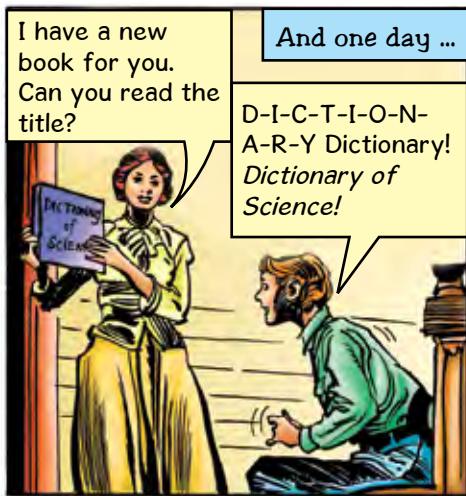
Tom never went back to school. His mother taught him every day.

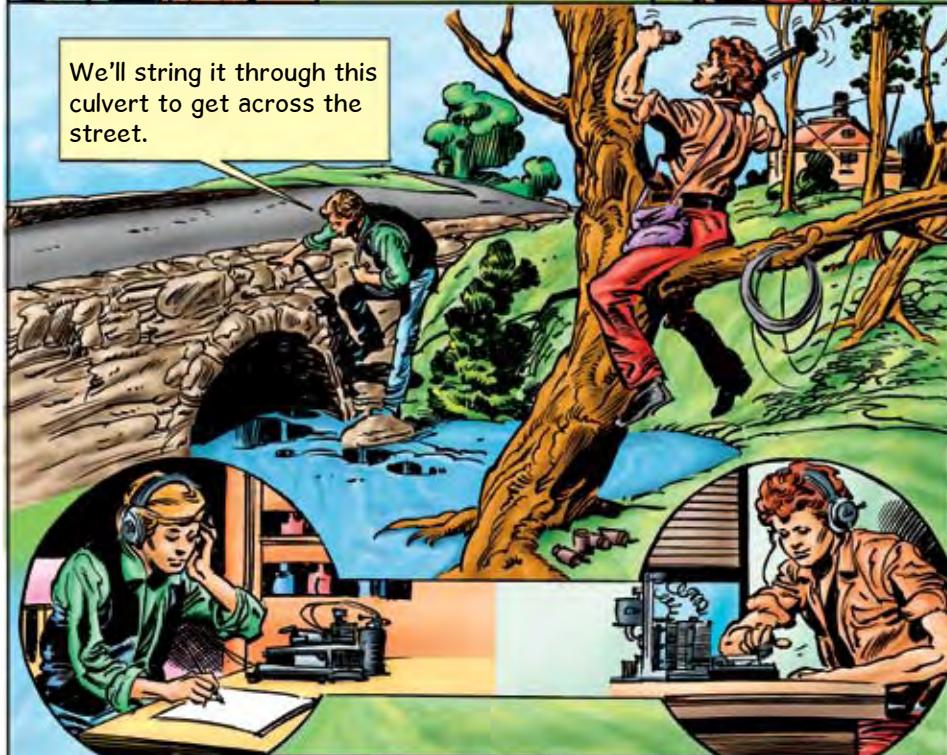
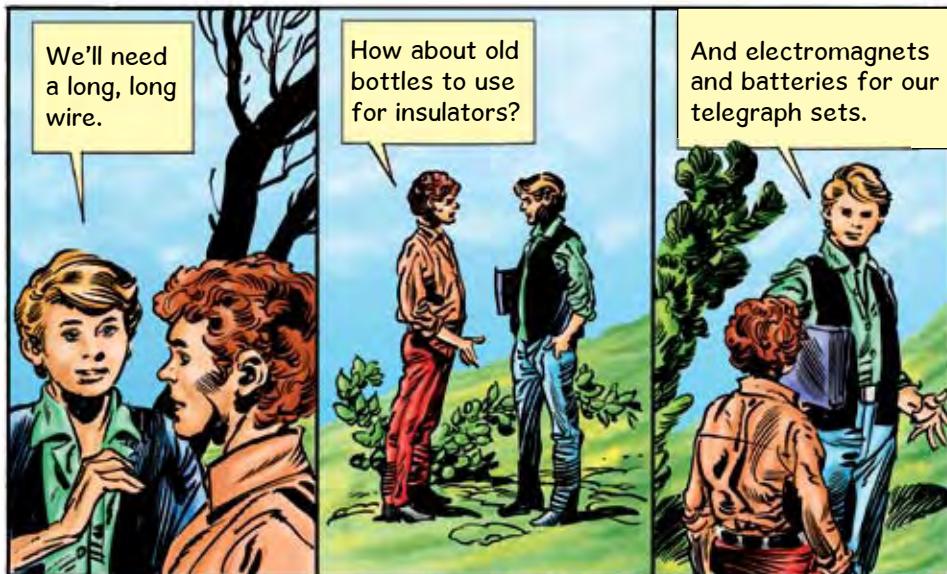
Today we are going to read *The Merchant of Venice*, a play by William Shakespeare.

That's right, son. Always ask "why" when you don't understand. That's the best way to learn.

What's a merchant, Mother? And where is Venice?







The boys learned Morse code, and tapped out messages from one house to the other.

Soon there was great news.

The Grand Trunk Railway has been finished. You can ride from Port Huron all the way to Detroit.

Maybe I can get a job!

The railway wanted a boy to sell newspapers, candy, and sandwiches on the train. Tom got the job.



Every morning at 7 a.m. he got on the train.

Hello, Tom.

Hi-ya, Mr. Stevenson.



He went through the cars with his wares.

Newspapers, sandwiches, candy. Here you are, sir.



Later ...

There's a lot of room here. Could I use it for some of my things?

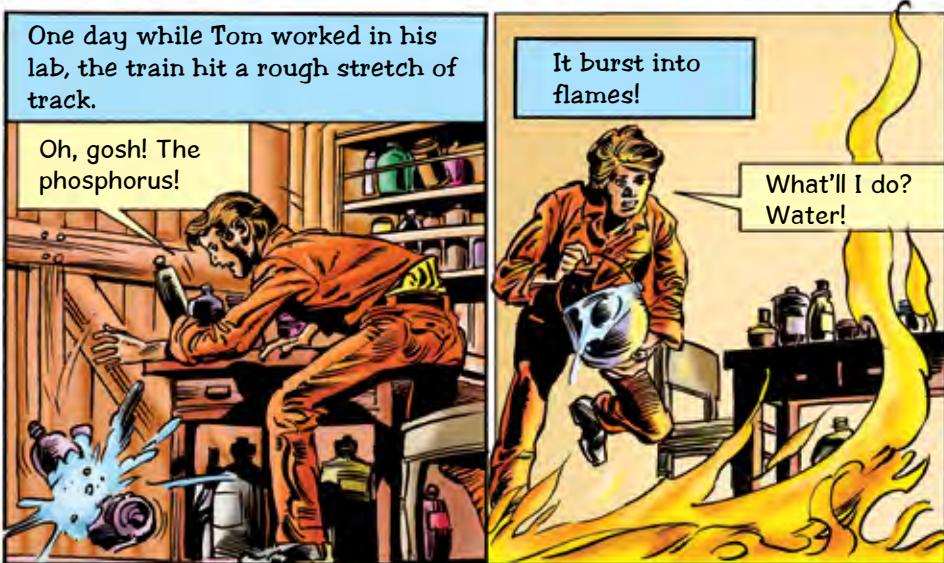
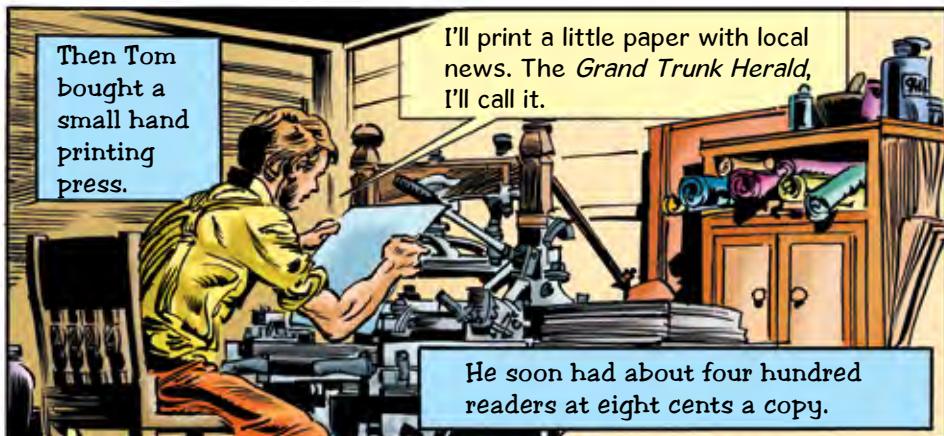
I don't see why not.

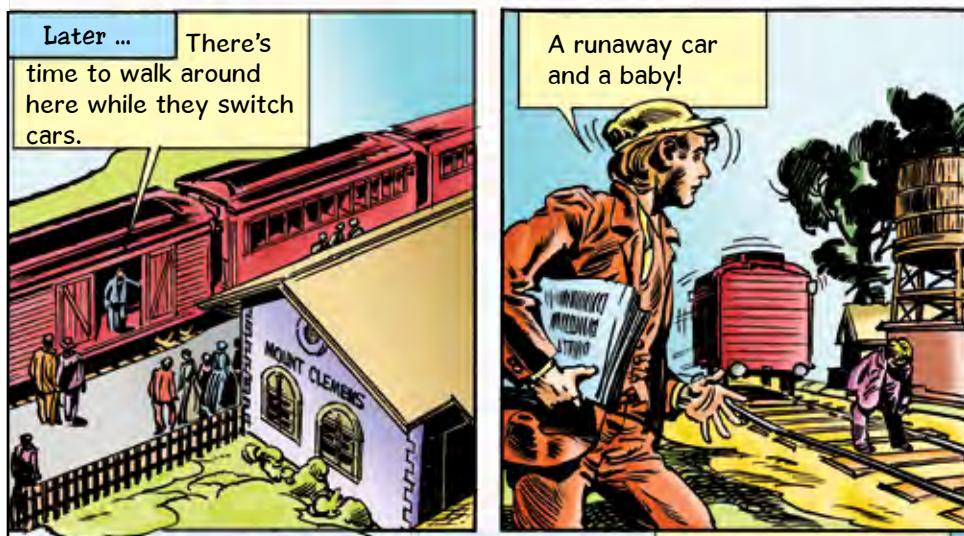
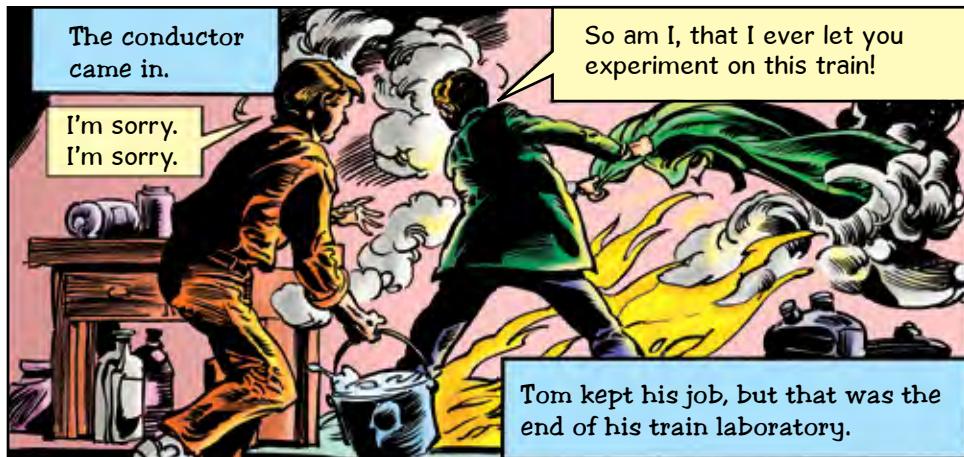


So Tom moved his laboratory on board.

I'll have lots of time to do experiments here!



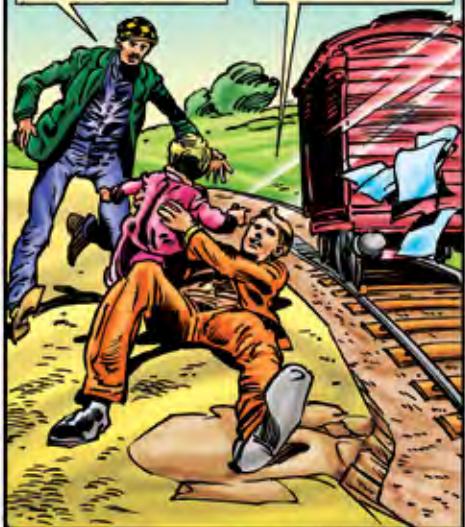




Tom fell out of the way.

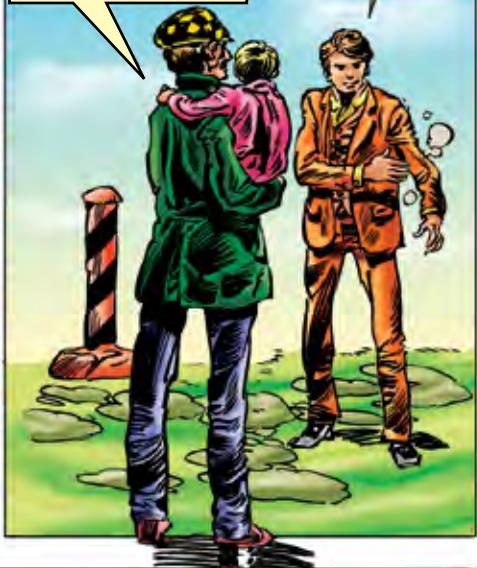
Tom! Are you all right? What happened?

I'm all right, Mr. Mackenzie. So is Jimmie.



You saved my Jimmie's life! How can I ever thank you or pay you enough?

I don't want to be paid, Mr. Mackenzie.



Would you like to learn telegraphy? I'd be pleased and happy to teach you.

I'd like that the best in the world!

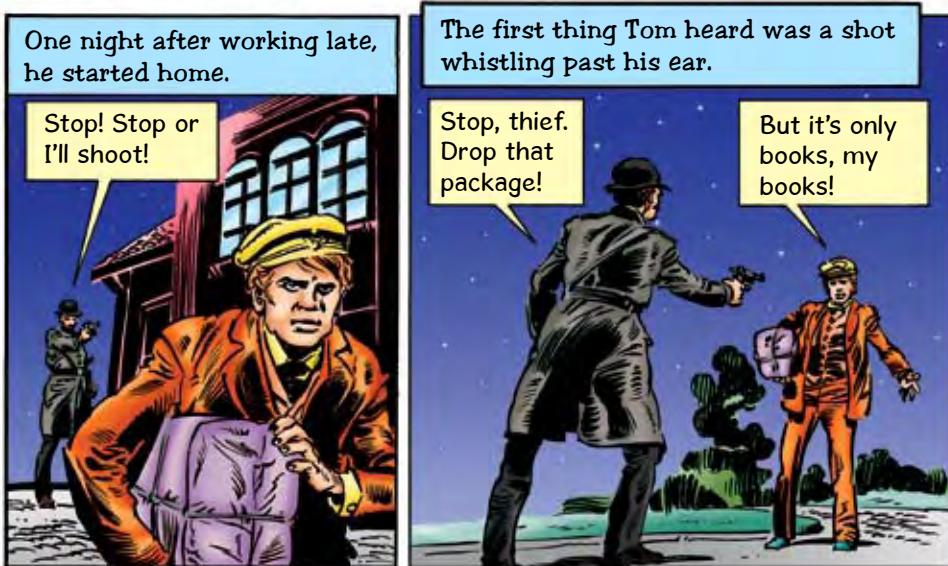


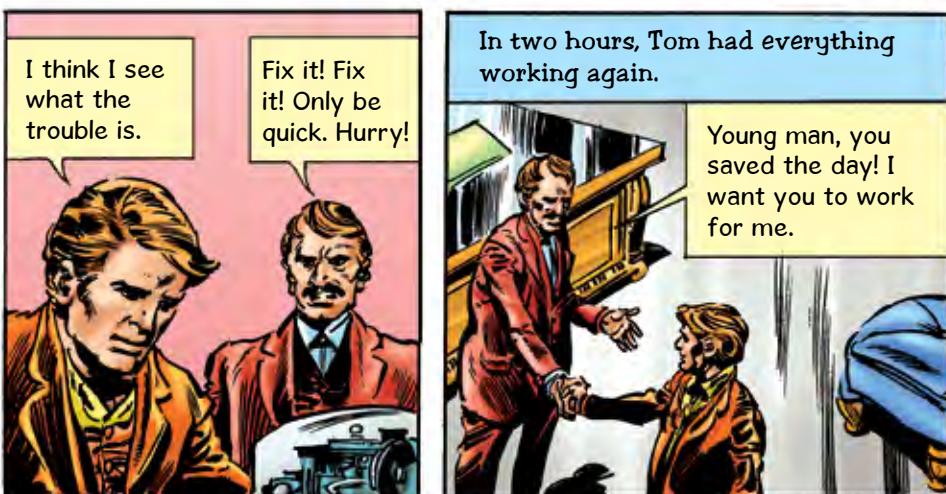
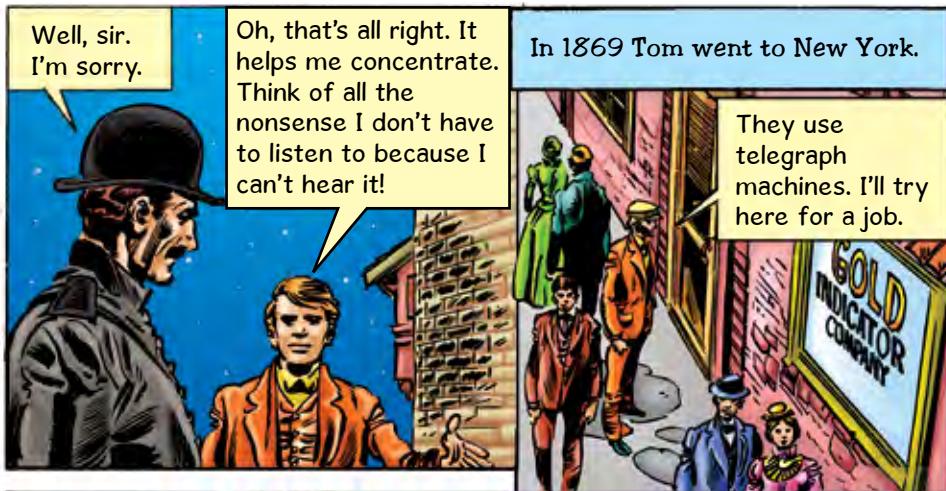
Four nights a week, Tom worked with Mackenzie. It was a turning point in his life.

In five months you've learned everything I know. You're an expert now. You can get a job anywhere.



For several years, Tom worked as a tramp telegrapher, moving from job to job, seeing the country.





* telegraphic receiving equipment that automatically prints off information on a paper ribbon

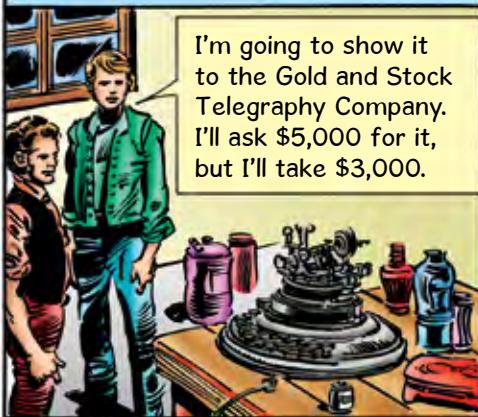
Tom had a good job and a high salary. But he stayed only two months.

I'm sorry, but I have so many ideas. I want to work on my inventions.



First, he made an improved stock ticker.

I'm going to show it to the Gold and Stock Telegraphy Company. I'll ask \$5,000 for it, but I'll take \$3,000.



Tom demonstrated his device.

Well, young man, what will you take for it?

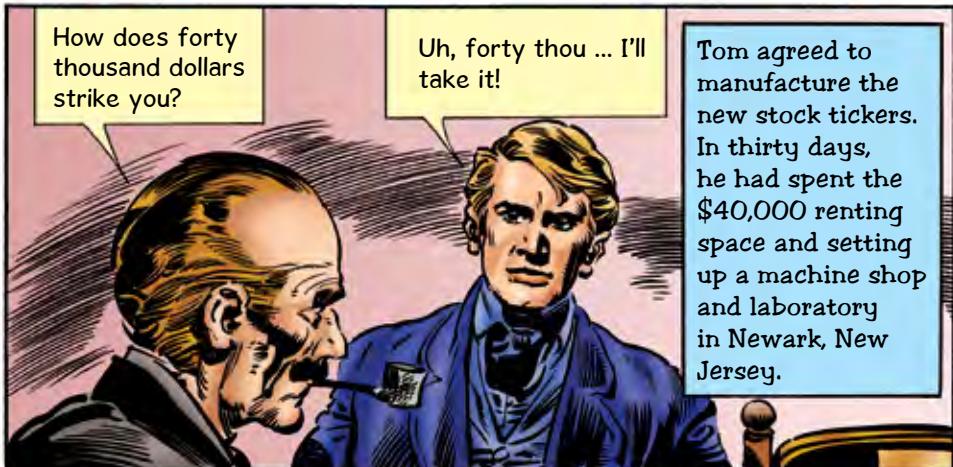
Uh, make me an offer.

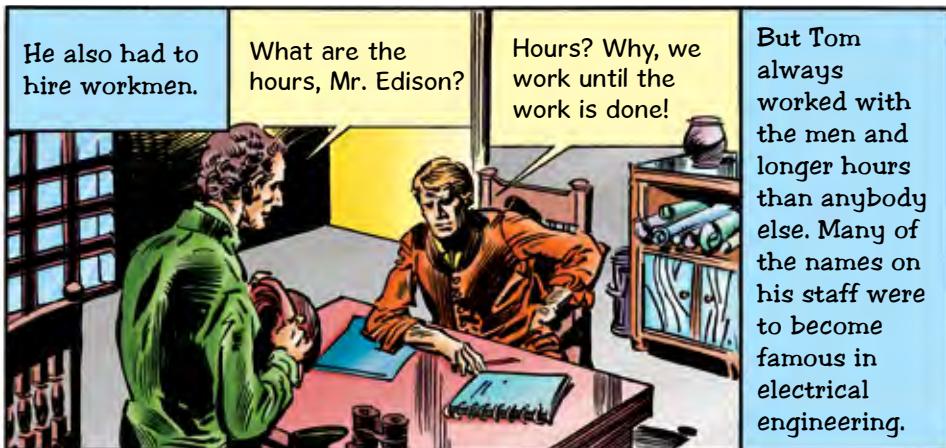


How does forty thousand dollars strike you?

Uh, forty thou ... I'll take it!

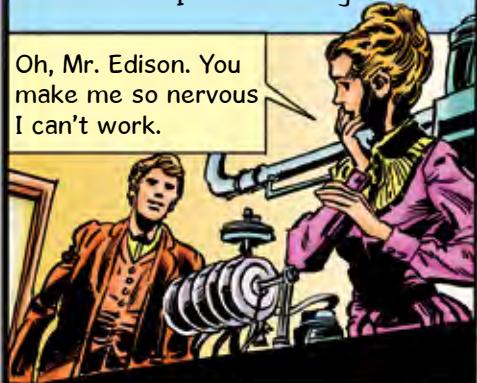
Tom agreed to manufacture the new stock tickers. In thirty days, he had spent the \$40,000 renting space and setting up a machine shop and laboratory in Newark, New Jersey.





So Mary went to work. And Tom couldn't keep from staring at her.

Oh, Mr. Edison. You make me so nervous I can't work.



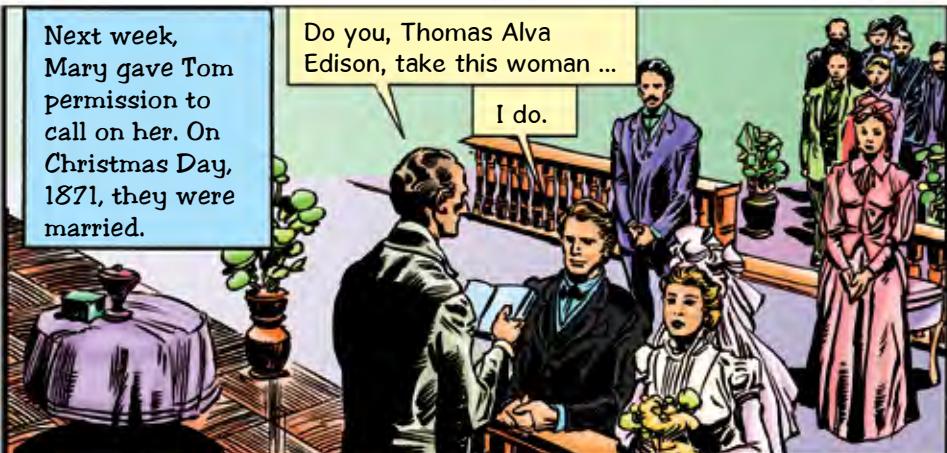
Do you like me? Could you marry me? Think it over, talk to your mother. Tell me next week.



Next week, Mary gave Tom permission to call on her. On Christmas Day, 1871, they were married.

Do you, Thomas Alva Edison, take this woman ...

I do.



After the wedding breakfast, Tom took Mary to the new house he had bought in Newark.

I'm worried about some work. I have to run down to the factory for a little while.

But Tom ...





One day, Edison talked to a fellow worker.

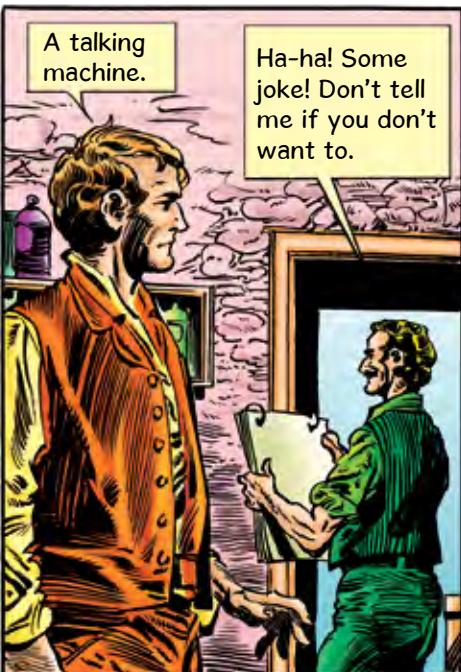
Can you make this thing up for me, John?

Sure. It looks simple enough. What's it supposed to be?



A talking machine.

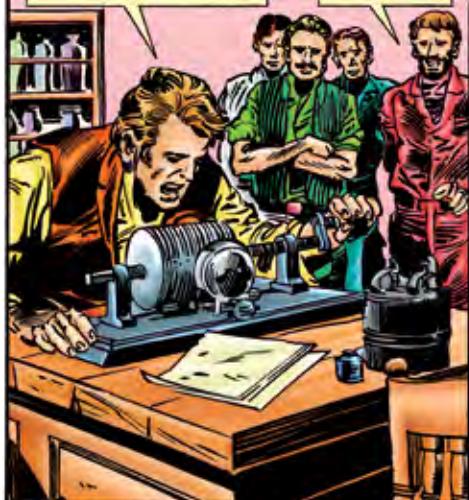
Ha-ha! Some joke! Don't tell me if you don't want to.



Later, John brought back the model.

Mary had a little lamb; its fleece was white as snow ...

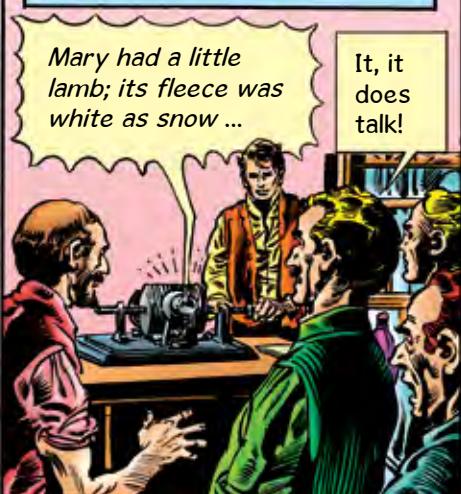
Has the boss lost his mind?



Then Tom made some adjustments and stepped back.

Mary had a little lamb; its fleece was white as snow ...

It, it does talk!



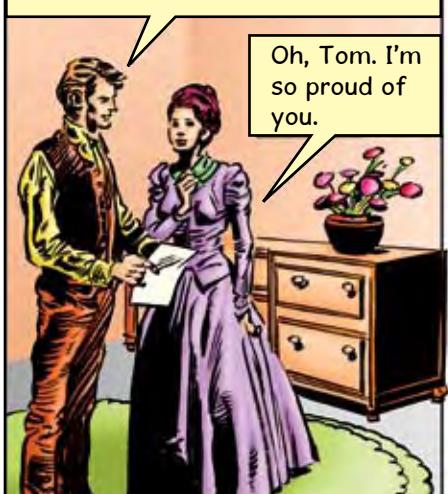
The phonograph was a totally new idea. Nobody had thought of such a thing before.

Overnight, Tom Edison became famous. The railroad ran special excursion trains to carry the thousands of people who rushed to Menlo Park.



A telegram came from Washington.

They want me to bring the phonograph to Washington to show to Congress, and to President Hayes and his wife at the White House.

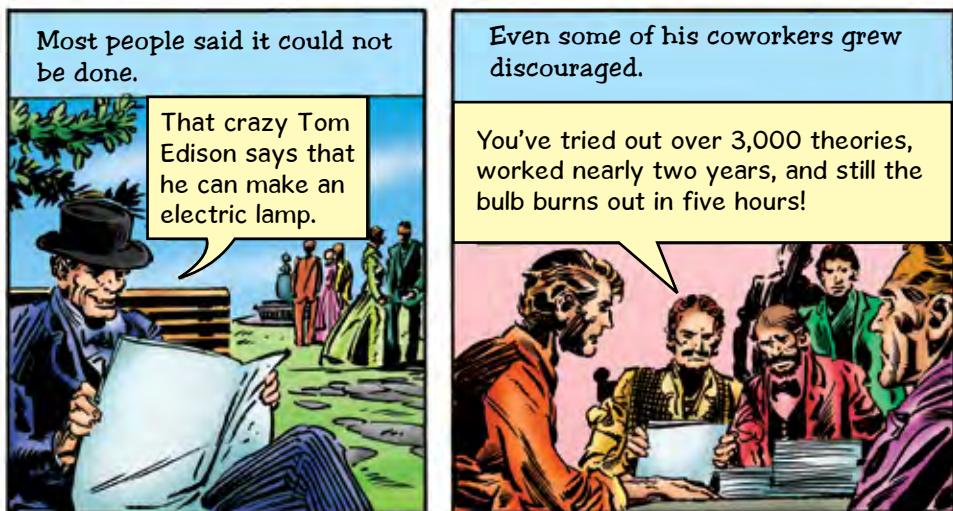
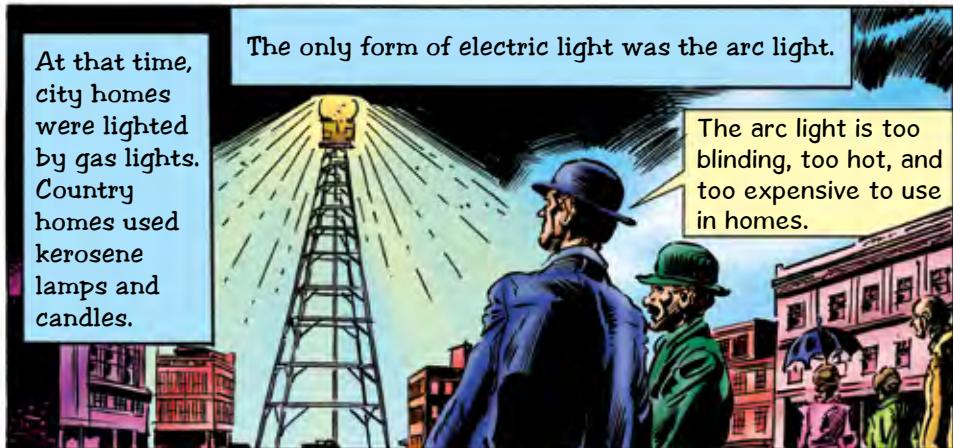


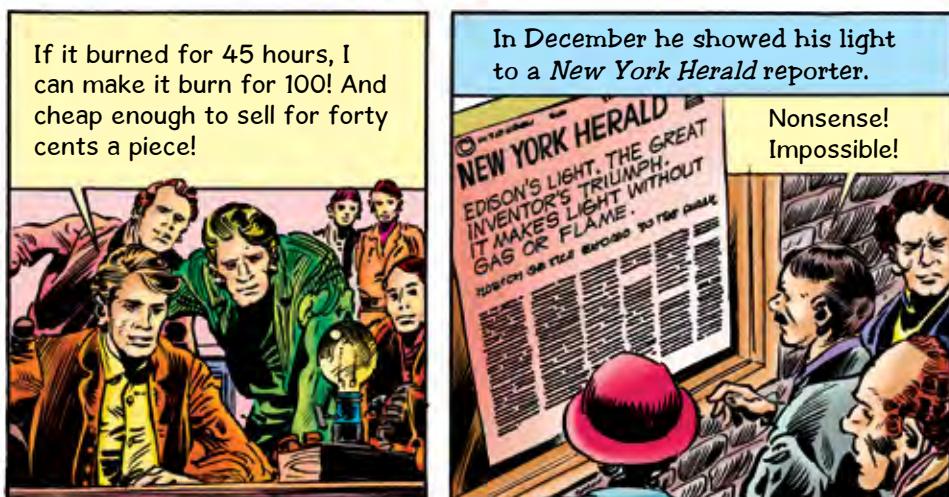
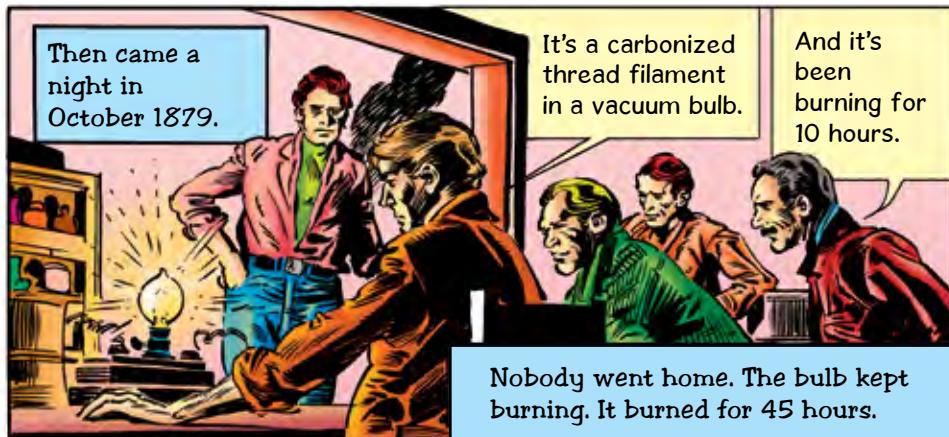
But the Edisons had a four-year-old daughter. And Mary was angry when she found Tom about to pinch the child.

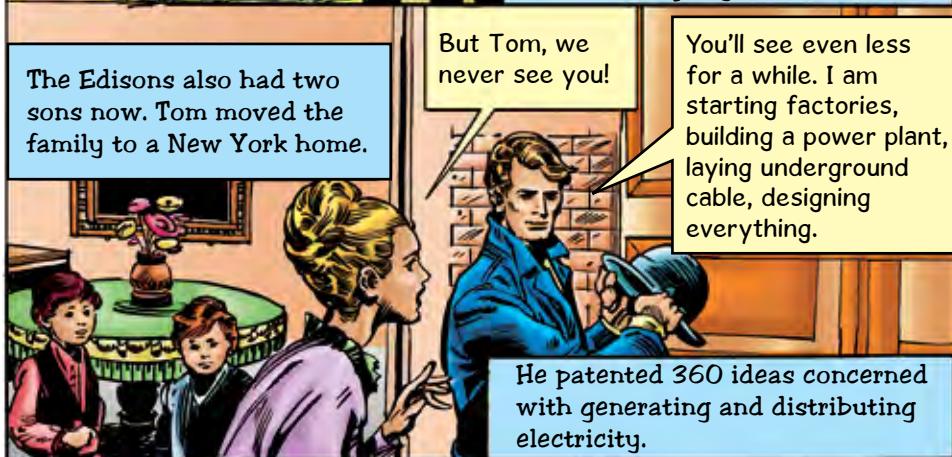
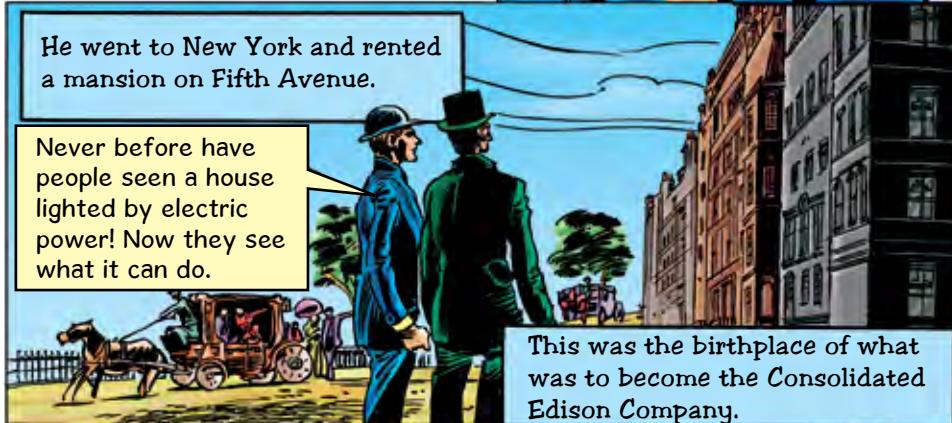
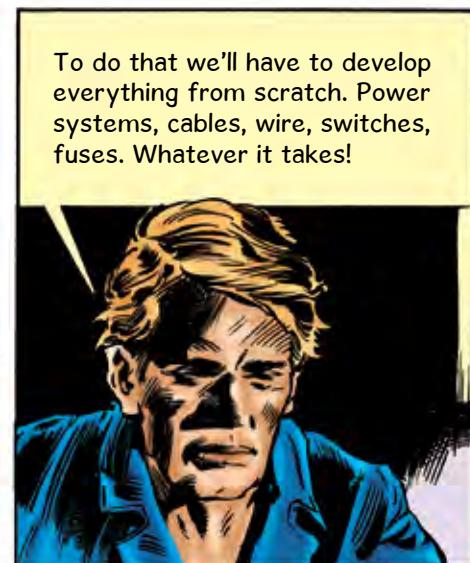
Thomas Edison! What are you trying to do to Marion?

Well, I want to make a recording of a child's cry, and she won't cry.









As he always had, he worked with his men building a giant dynamo.

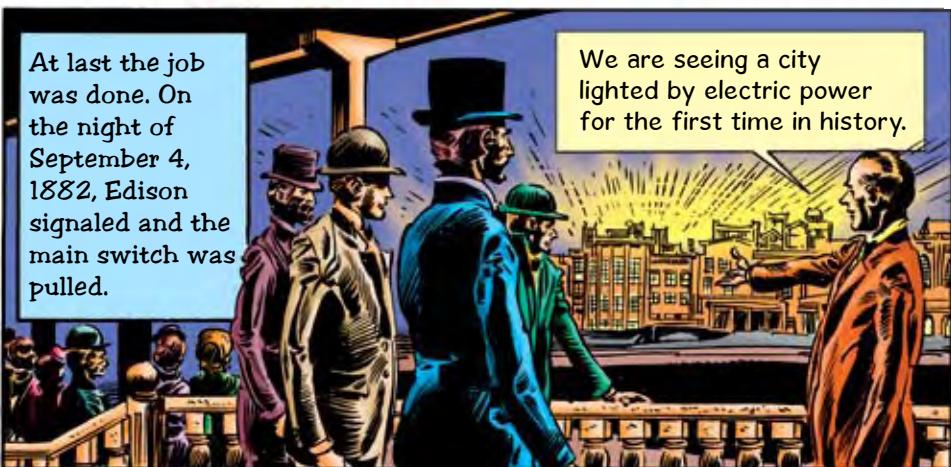


Or laying underground cable.



At last the job was done. On the night of September 4, 1882, Edison signaled and the main switch was pulled.

We are seeing a city lighted by electric power for the first time in history.



It was a success, so Tom moved on to other things—like the electric railroad he built at Menlo Park.

Cities need something like this. Horse-cars are out of date.



The family still spent the summers at Menlo Park. There, in 1884, Mary Edison became ill with typhoid fever.

I'm sorry, very sorry. She's gone.

No, no!

Tom's love for Menlo Park turned to hate. He returned to New York alone, and let his laboratory at Menlo Park fall into ruins.



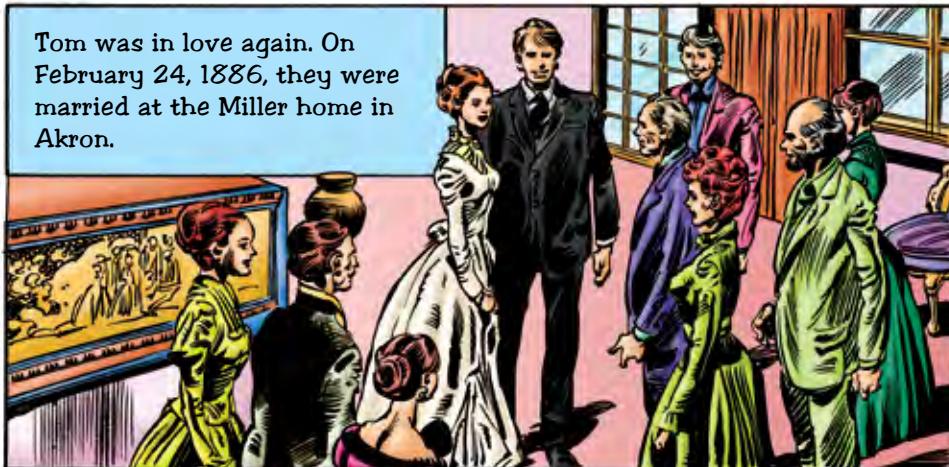
Tom had always avoided parties. Now his loneliness drove him to get dressed and go out.

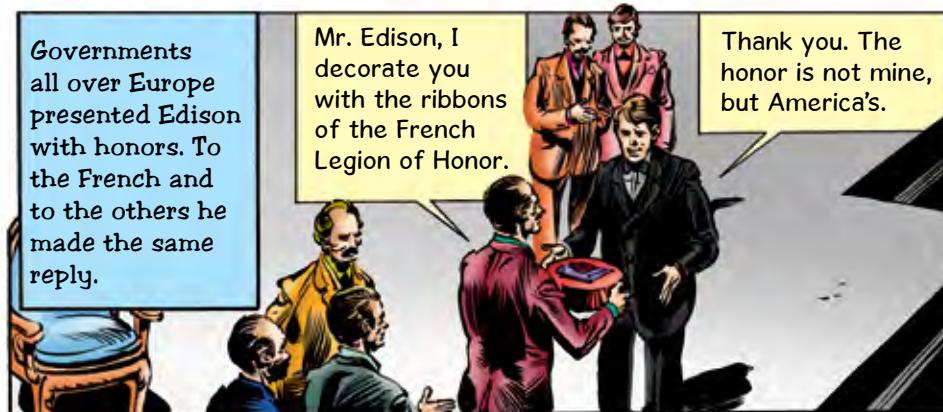
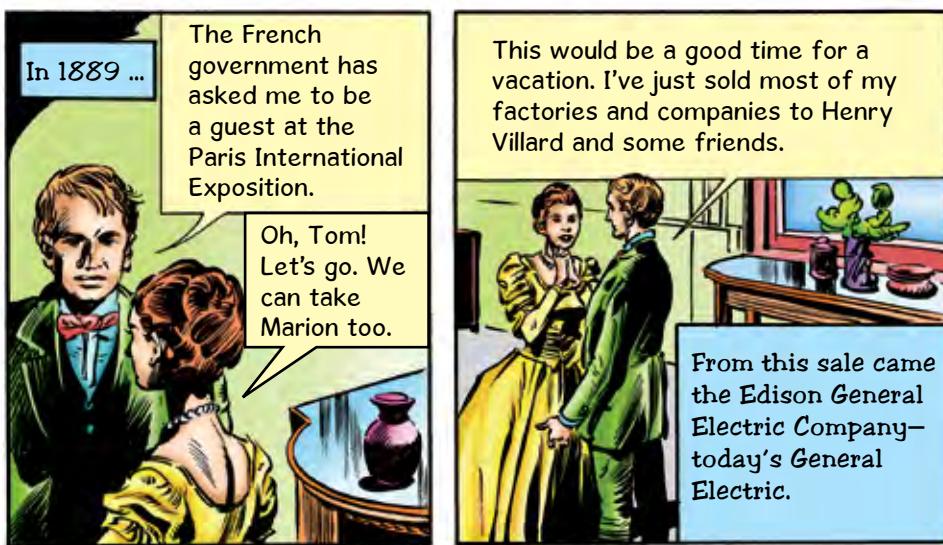
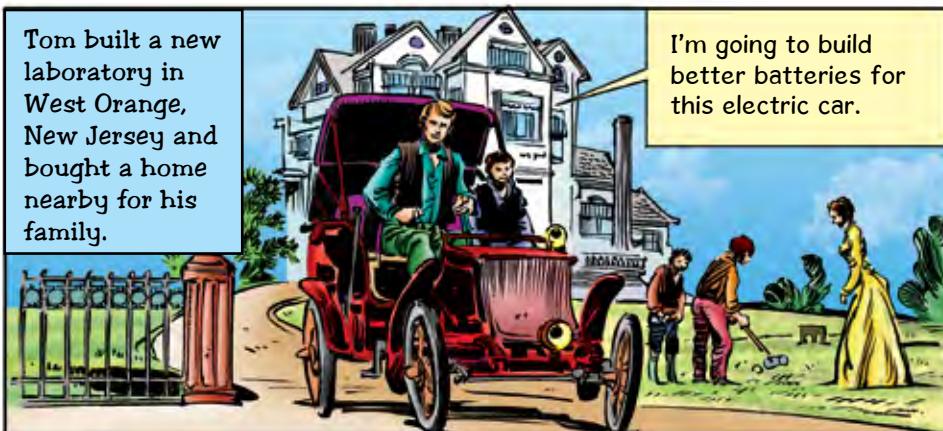
Who is that piano player?

Miss Mina Miller. Her father is an Ohio manufacturer.



Tom was in love again. On February 24, 1886, they were married at the Miller home in Akron.

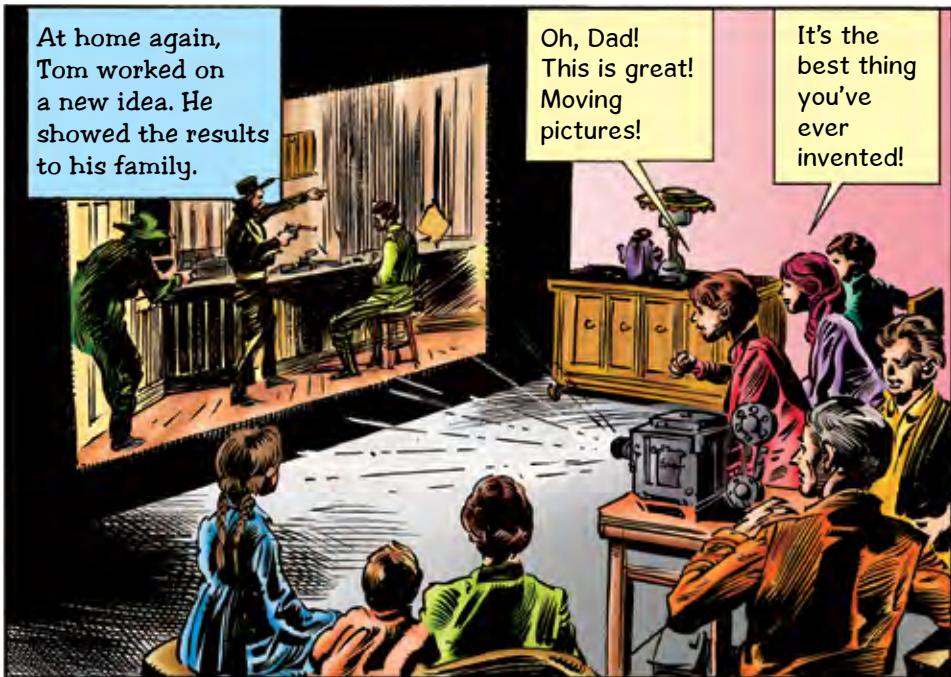




At home again, Tom worked on a new idea. He showed the results to his family.

Oh, Dad!
This is great!
Moving pictures!

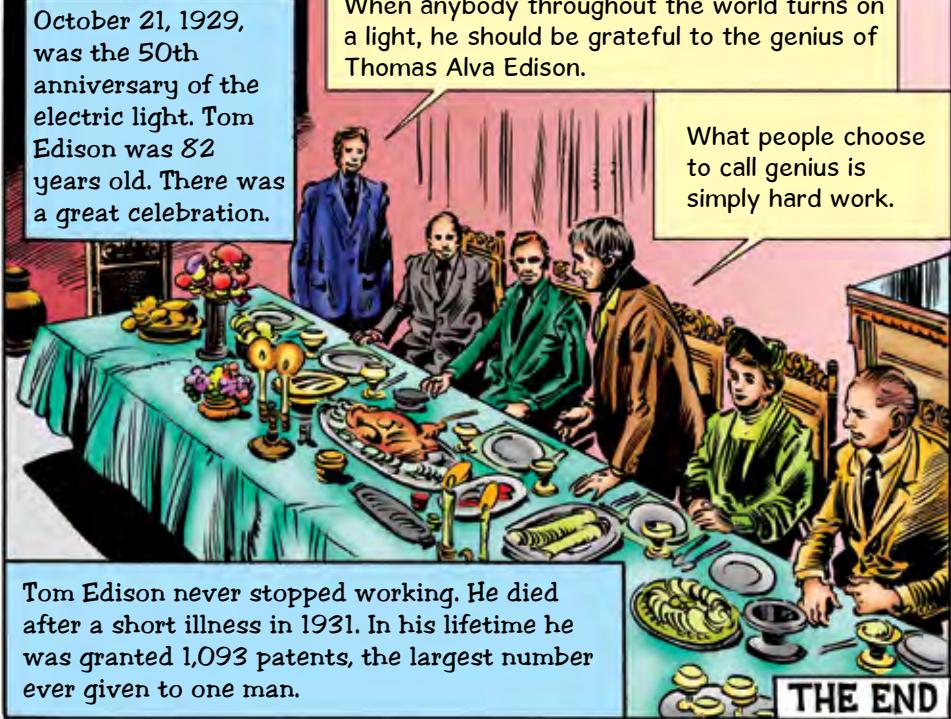
It's the best thing you've ever invented!



October 21, 1929, was the 50th anniversary of the electric light. Tom Edison was 82 years old. There was a great celebration.

When anybody throughout the world turns on a light, he should be grateful to the genius of Thomas Alva Edison.

What people choose to call genius is simply hard work.



Tom Edison never stopped working. He died after a short illness in 1931. In his lifetime he was granted 1,093 patents, the largest number ever given to one man.

THE END



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